Receipt date: 05/11/2001 08477805 - GAU: 2625 Serial No. 08/477,805 Docket No. 5634.0197 MAY 1 1 2001 Serial No. Attorney Docket No. INFORMATION DISCLOSURE STATEMENT BY APPLICANT 08/477,805 05634.0197 Applicant(s) John C. Harvey and James W. Cuddihy CITATION FORM Group Art Unit Filing Date

June 7, 1995

2699

March 19, 1971

July 30, 1971

725/16

340/825.27

327/176

EXAMINER	PATENT	PATENT	PATENT DOCUMEN	CLASS/ SUBCLASS	FILING DATE*
INITIAL	NUMBER	DATE 10.1023	Foss	705/36	December 3, 1932
	1,927,702	September 19, 1933	Smith	381/104	November 15, 1946
	2,511,085	June 13, 1950	Miller et al.	725/14	December 9, 1949
	2,573,349	October 30, 1951	Loew et al.	725/143	January 19, 1950
	2,769,023	October 30, 1956	Druz	380/320	October 2, 1951
	2,788,387	April 9, 1957	Morris	568/430	May 4, 1955
	2,864,865	December 16, 1958	Ellet	380/227	December 6, 1955
	2,866,962	December 30, 1958	See	348/705	May 27, 1957
	2,969,427	January 24, 1961	Morchand	725/138	September 11, 1958
	3,008,000	November 7, 1961	Daniele	162/391	August 11, 1960
	3,016,091	January 9, 1962		725/151	February 21, 1957
	3,071,642	January 1, 1963	Mountjoy et al.	370/381	July 2, 1962
	3,213,201	October 19, 1965	Flood et al.	380/240	July 8, 1951
	3,238,297	March 1, 1966	Pawley et al.	725/151	January 30, 1962
	3,244,806	April 5, 1966	Morris	340/825.17	July 20, 1965
	3,363,250	January 9, 1968	Jacobson	428/355EN	January 18, 1965
	3,371,071	February 27, 1968	Webb		September 9, 1963
	3,387,268	June 4, 1968	Epstein	340/825.26	July 28, 1966
	3,531,583	September 29, 1970	Walker	380/230	April 19, 1965
	3,531,586	September 29, 1970	Bass et al.	725/151	July 8, 1965
	3,536,833	October 27, 1970	Guanella	380/28	November 6, 1968
	3,569,937	March 9, 1971	Hoetter	340/825.75	
	3,573,747	April 6, 1971	Adams et al.	705/37	February 24, 1969
	3,586,767	June 22, 1971	Morchand	348/473	June 4, 1968
	3,586,771	June 22, 1971	Hamburger et al.	725/1	October 25, 1968
	3,601,528	August 24, 1971	McVoy	724/143	June 16, 1969
	3,606,688	April 24, 1971	Zawels et al.	434/323	July 11, 1969
	3,609,697	September 28, 1971	Blevins et al.	717/2	October 21, 1968
	3,627,914	December 14, 1971	Davies	348/722	September 4, 196
	3,648,270	March 7, 1972	Metz et al.	345/24	August 11, 1969
		April 18, 1972	Rocher et al.	380/265	June 30, 1970
	3,657,699	April 5, 1972	Angeleri et al.	380/43	May 13, 1969
	3,659,046	July 11, 1972	Beck	725/16	June 1, 1970
	3,676,580	September 29, 1972	Gabriel	725/1	August 8, 1969
	3,693,090	September 29, 1972	McVov	725/16	June 25, 1971

November 21, 1972

February 13, 1973

April 3, 1973

3,703,684

3,716,835

3.725.672

McVoy

Weinberg

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		PATENT MAY 1 1 20	n y	CLASS/	FILING
EXAMINER	PATENT	DATE	Ø NAME	SUBCLASS	DATE*
INITIAL	NUMBER 3,729,581	April 24, 19₹3	Anderson	348/640	September 3, 1973
		May 1, 1973	Clark	380/36	December 15, 1969
	3,731,197	May 29, 1973	Vogelman et al.	380/228	March 13, 1972
	3,736,369	July 3, 1973	Walden et al.	340/870.7	June 1, 1971
	3,744,043	July 17, 1973	Stetten et al.	386/95	February 25, 1971
	3,746,780	July 31, 1973	Fraser	370/433	August 27, 1971
	3,749,845	August 21, 1973	Rocher et al.	714/749	December 30, 1971
	3,754,211	August 28, 1973	Sekimoto	348/495	April 22, 1971
	3,755,624	September 4, 1973	Ukicki	725/1	March 16, 1972
	3,757,225	September 4, 1973	Flynn	710/18	August 3, 1972
	3,761,888		Guanella	380/36	June 21, 1971
	3,773,977	November 20, 1973	Wittig et al.	380/228	May 16, 1972
	3,777,053	December 4, 1973	Newell	386/98	April 7, 1972
	3,789,137	January 29, 1974	Feistel	380/37	June 30, 1971
	3,798,359	March 19, 1974	Bliss et al	709/236	December 20, 1972
	3,798,610	March 19, 1974	Forbes	725/119	April 26, 1972
	3,806,814	April 23, 1974	Wolf	348/478	August 29, 1972
	3,819,852	June 24, 1974	Horowitz	380/222	February 18, 1972
	3,824,332	July 16, 1974	French	380/222	December 1, 1972
	3,824,467	July 16, 1974		714/757	May 29, 1973
	3,825,893	July 23, 1974	Bossen et al.	725/144	April 10, 1972
	3,833,757	September 3, 1974	Kirk, Jr. et al.	725/151	November 15, 1972
	3,835,387	September 10, 1974	Rookes et al.	348/486	November 12, 1973
	3,842,196	October 15, 1974	Loughlin. Crosby	455/39	July 15, 1971
	3,845,391	October 29, 1974		348/24	August 30, 1973
	3,859,458	January 7, 1975	Takezawa et al.	725/79	January 29, 1973
	3,882,392	May 6, 1975	Harney	380/228	March 27, 1973
	3,890,461	June 17, 1975	Vogelman et al.	348/622	June 25, 1974
	3,891,792	June 24, 1975	Kimura	380/274	November 8, 1972
	3,893,031	July 1, 1975	Majeau et al.	380/274	178/5.1
	3,894,176	July 8, 1995	Mellon		May 12, 1972
	3,899,633	August 12, 1975	Sorenson et al.	380/207	October 5, 1973
	3,909,512	September 30, 1975	Omori et al.	386/75	December 17, 1973
	3,911,216	October 7, 1975	Bartek et al.	380/46	November 23, 1973
	3,911,419	October 7, 1975	Bates et al.	345/162	October 29, 1973
	3,914,534	October 21, 1975	Forbes	380/220	January 31, 1973
	3,916,091	October 28, 1975	Kirk, Jr. et al.	380/242	
	3,919,462	November 11, 1975	Hartung et al.	380/235	August 15, 1973
	3,921,151	November 18, 1975	Guanella	380/36	July 12, 1973
	3,922,482	November 25, 1975	Gabriel et al.	725/31	August 20, 1971
	3,934,079	January 20, 1976	Barnhart	725/131	October 26, 1973
	3,936,593	February 3, 1976	Aaronson et al.	380/219	August 5, 1974
	3,936,594	February 3, 1976	Schubin et al.	380/238	August 5, 1974
	3,944,931	March 16, 1976	Usami et al.	455/192.2	November 14, 1974
	3,949,313	April 6, 1976	Tamada et al.	341/50	May 28, 1974
	3,956,615	May 11, 1976	Anderson et al.	705/72	June 25, 1974

# Receipt date: 05/11/2001

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Group 2600

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EXAMINER PATENT PATENT SUBCLASS DATE*			MAY 17	MAY 1 1 DEST. B		Group 2600	
3,988,528 October 28, 1976 Koletis et al. 360,23 Reptember 25, 1974 3,993,955 November 23, 1976 Belcher et al. 725/33 April 25, 1974 3,993,955 November 24, 1976 Belcher et al. 725/33 April 25, 1975 3,997,718 December 14, 1976 Ricketts et al. 725/114 November 11, 1974 4,003,869 February 15, 1977 Theurer et al. 725/3 February 28, 1975 4,024,574 May 17, 1977 Nieson 380/232 February 28, 1975 4,025,947 May 24, 1977 Loshin 380/228 February 28, 1975 4,025,948 May 24, 1977 Loshin 380/228 February 25, 1975 4,048,619 September 13, 1977 Forman, Jr. et al. 370/485 September 17, 1976 4,049,906 September 20, 1977 Robertson et al. 725/13 July 9, 1976 4,052,737 October 4, 1977 Robertson et al. 725/13 July 9, 1976 4,064,490 December 20, 1977 Nagel 709/227 September 10, 1975 4,068,264 January 10, 1978 Pires 380/233 July 19, 1976 4,064,490 December 20, 1977 Nagel 709/227 September 10, 1975 4,068,264 January 10, 1978 Pires 380/233 July 19, 1976 4,068,1612 March 28, 1978 Hafner 370/393 July 14, 1976 4,081,753 March 28, 1978 Hafner 370/393 July 14, 1976 4,081,753 March 28, 1978 Miller 455/158.2 December 13, 1976 4,104,486 August 1, 1978 Marin et al. 380/232 February 23, 1977 4,104,486 August 1, 1978 Gulnet et al. 380/232 February 23, 1977 4,114,464 September 5, 1978 Gulf et al. 380/231 February 23, 1977 4,115,662 September 19, 1978 Gulnet et al. 380/241 May 11, 1977 4,115,662 September 19, 1978 Gulnet et al. 380/241 May 11, 1977 4,115,662 September 19, 1978 Gulnet et al. 380/241 May 11, 1977 4,115,662 September 19, 1978 Gulnet et al. 380/241 May 11, 1977 4,115,662 September 19, 1978 Gulnet et al. 380/241 May 11, 1977 4,115,662 September 19, 1978 Gulnet et al. 380/241 May 11, 1977 4,115,662 September 19, 1978 Gulnet et al. 380/241 May 11, 1977 4,115,662 September 19, 1978 Gulnet et al. 380/233 November 17, 1977 4,115,300 October 10, 1978 Johnstine 713/190 March 11, 1977 4,115,307 July 31, 1979 Biock et al. 380/23 June 29, 1977 4,116,325 July 31, 1979 Barnes et al. 380/23 November 17, 1977 4,166,310 April 2, 1980 Mortimer 4 al. 380/30	EXAMINER	PATENT	PATEM	9	CLASS/	FILING	
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1,13,007   September 19, 1978   Johnstine   713/190   March 11, 1977		4,115,662					
A 10,083   December 19, 1978   Choenet   380/220   April 11, 1977		4,115,807	September 19, 1978				
4,130,837   Electrical 19,100   Girault et al.   345/113   June 29, 1977     4,160,120   July 3, 1979   Barnes et al.   380/29   November 17, 1977     4,161,751   July 17, 1979   Ost   725/25   May 19, 1977     4,163,254   July 31, 1979   Block et al.   380/233   February 14, 1977     4,163,255   July 31, 1979   Pires   380/233   June 15, 1978     4,168,396   September 18, 1979   Best   713/190   Cotober 31, 1977     4,170,782   October 9, 1979   Miller   725/14   October 28, 1977     4,171,513   October 16, 1979   Otey et al.   380/43   July 22, 1969     4,177,213   October 16, 1979   Barnes et al.   380/23   November 17, 1977     4,186,413   January 29, 1980   Mortimer   348/473   November 17, 1977     4,196,310   April 1, 1980   Forman et al.   380/30   September 6, 1977     4,200,770   April 29, 1980   Kuhar et al.   341/23   April 13, 1977     4,215,370   July 29, 1980   Davidson   380/235   April 24, 1978     4,225,967   September 3, 1980   Mira et al.   455/68   January 29, 1978     4,225,967   September 3, 1980   Mira et al.   455/68   January 29, 1978     4,225,967   September 3, 1980   Gerard   380/36   May 3, 1978     4,225,967   September 3, 1980   Gerard   380/36   May 3, 1978     4,225,967   September 3, 1980   Gerard   380/36   May 3, 1978		4,120,030	October 10, 1978				
4,136,726		4,130,833					
4,161,751		4,138,726					
4,161,751   July 31, 1979   Block et al.   380/233   February 14, 1977		4,160,120	July 3, 1979				
4,163,255		4,161,751	July 17, 1979				
4,163,296   September (8, 1979)   Best   713/190   October 31, 1977		4,163,254	July 31, 1979				
4,106,398   Cotober 9, 1979   Miller   725/14   October 28, 1977		4,163,255					
4,170,782   October 16, 1979   Otey et al.   380/43   July 22, 1969		4,168,396					
4,171,513   October 23, 1979   Barnes et al.   380/29   November 17, 1977		4,170,782					
4,172,213   January 29, 1980   Mortimer   348/473   November 14, 1977		4,171,513					
4,196,413   Jahran 1980   Forman et al.   380/46   November 3, 1977		4,172,213					
4,196,310   April 29, 1980   Hellman et al.   380/30   September 6, 1977		4,186,413					
4,200,770   April 29, 1980   Kuhar et al.   341/23   April 13, 1977		4,196,310	April 1, 1980				
4,20,315   April 24, 1979   April 24, 1979   4,215,370   July 29, 1980   Davidson   380/235   April 24, 1979   4,215,370   July 29, 1980   Kirk, Jr.   375/240.01   February 22, 1978   4,225,967   September 3, 1980   Miwa et al.   455/68   January 9, 1978   4,222,193   November 4, 1980   Gerard   380/36   May 3, 1978   4,222,193   November 4, 1980   Gerard   380/36   May 3, 1978   4,222,193   November 4, 1980   Gerard   380/36   May 3, 1978   4,222,193   November 4, 1980   Gerard   380/36   May 3, 1978   4,222,193   November 4, 1980   Gerard   380/36   May 3, 1978   4,222,193   November 4, 1980   Gerard   380/36   May 3, 1978   4,222,193   November 4, 1980   Gerard   380/36   May 3, 1978   4,222,193   November 4, 1980   Gerard   380/36   May 3, 1978   4,222,193   November 4, 1980   Gerard   380/36   May 3, 1978   4,222,193   November 4, 1980   Gerard   380/36   May 3, 1978   4,222,193   M		4,200,770	April 29, 1980				
4,215,370     July 29, 1980     Kirk, Jr.     375/240.01     February 22, 1978       4,225,967     September 3, 1980     Miwa et al.     455/68     January 9, 1978       4,232,193     November 4, 1980     Gerard     380/36     May 3, 1978		4,200,913	April 29, 1980				
4,25,967 September 3,1980 Miwa et al. 455/68 January 9, 1978 4,232,193 November 4, 1980 Gerard 380/38 May 3, 1978		4,215,366	July 29, 1980				
4,225,967 September 3, 1900 Immos Sent 380/36 May 3, 1978 4,232,193 November 4, 1980 Gerard 380/36 May 3, 1978		4,215,370	July 29, 1980				
4,232,193 November 4, 1000 Service April 20, 4070		4,225,967	September 3, 1980				
4,236,217 November 25, 1980 Kennedy 702/61 April 20, 1979			November 4, 1980				
		4,236,217	November 25, 1980	Kennedy	702/61	April 20, 1979	

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PATENT NUMBER	PATENT DATE	NAME	CLASS OL	P 260PILING
	DATE!			I FILING
	DATE	NAME	SUBCLASS	DATE*
4,237,484	December 2, 1689	Brown et al.	375/240.12	August 8, 1979
4,237,486	December 2, 1980	Shimp	348/475	November 9, 1978
4,245,246	January 13, 1981	Cheung	380/235	August 3, 1978
4,247,106	January 27, 1981	Jeffers et al.	463/29	April 12, 1978
4,250,489	February 10, 1981	Dudash et al.	340/825.02	October 31, 1978
4,250,521	February 10, 1981	Wright	348/616	June 19, 1979
4,250,524	February 10, 1981	Tomizawa	380/232	February 22, 1979
4,251,691	February 17, 1981	Kakihara et al.	348/14.01	December 1, 1978
4,253,114	February 24, 1981	Tang et al.	380/212	September 26, 1978
4,253,157	February 24, 1981	Kirschner et al.	707/104	September 29, 1978
4,262,329	April 14, 1981	Bright et al.	713/164	March 27, 1978
4,264,925	April 28, 1981	Freeman et al.	725/138	August 13, 1979
4,266,243	May 5, 1981	Shutterly	380/236	April 25, 1979
4,275,411	June 23, 1981	Lippel	348/472	April 19, 1978
4,283,602	August 11, 1981		380/41	September 23, 1968
4,284,976	August 18, 1981	Gable et al.	<del>,</del>	June 7, 1979
4,286,281	August 25, 1981	Suzuki	386/12	September 26, 1979
4,287,592	September 1, 1981	Paulish et al.	370/403	May 23, 1979
4,288,809	September 8, 1981	Yabe	348/468	May 21, 1980
		Anderson et al.		July 2, 1979
				April 25, 1979
4.302.771				July 23, 1980
4.304.990				February 4, 1980
				March 31, 1980
				February 4, 1980
4,306,305	December 15, 1981	Doi et al.		October 19, 1979
				May 2, 1979
				August 28, 1979
				February 2, 1979
				October 31, 1979
				January 17, 1980
		Feistel		December 30, 1976
		Luu et al.		December 7, 1978
				September 11, 1979
4,318,125	March 2, 1982			April 25, 1979
4.319.079	March 9, 1982			January 17, 1980
				March 21, 1980
4,323,921	April 6, 1982	Guillou	705/53	January 23, 1980
4,323,922		de Toonder et al.	380/226	December 17, 1979
				November 20, 1979
				September 23, 1980
				January 15, 1980
4,330,794				February 25, 1980
				May 30, 1980
				January 14, 1980
	4,247,106 4,250,489 4,250,524 4,251,691 4,252,524 4,251,691 4,253,157 4,262,329 4,264,925 4,266,243 4,275,411 4,263,602 4,284,976 4,286,281 4,284,976 4,286,281 4,287,592 4,288,809 4,290,141 4,295,223 4,302,771 4,304,990 4,290,141 4,295,223 4,302,771 4,304,990 4,290,141 4,295,223 4,302,771 4,304,990 4,290,141 4,295,223 4,302,771 4,304,990 4,305,131 4,306,289 4,306,305 4,310,854 4,311,016 4,311,016 4,311,016 4,317,215 4,318,055 4,317,215 4,318,055 4,317,215 4,318,055 4,317,215 4,318,055 4,317,215 4,319,079 4,322,745 4,333,921 4,323,921 4,323,076 4,329,675 4,329,675	4,247,106 January 27, 1981 4,250,489 February 10, 1981 4,250,524 February 10, 1981 4,250,524 February 10, 1981 4,251,691 February 17, 1981 4,253,157 February 24, 1981 4,253,157 February 24, 1981 4,253,157 February 24, 1981 4,263,259 April 14, 1981 4,264,325 April 28, 1981 4,264,325 April 28, 1981 4,266,243 May 5, 1981 4,266,243 May 5, 1981 4,275,411 June 23, 1981 4,283,602 August 11, 1981 4,283,602 August 11, 1981 4,284,976 August 18, 1981 4,284,976 August 21, 1981 4,287,592 September 1, 1981 4,287,592 September 15, 1981 4,287,592 September 15, 1981 4,287,592 September 15, 1981 4,287,592 September 18, 1981 4,303,131 December 8, 1981 4,304,990 December 8, 1981 4,305,131 December 8, 1981 4,305,131 December 15, 1981 4,306,305 December 15, 1981 4,306,305 December 15, 1981 4,307,446 December 15, 1981 4,307,446 January 19, 1982 4,312,016 January 19, 1982 4,313,132 January 26, 1982 4,314,367 February 16, 1982 4,316,055 February 16, 1982 4,316,055 February 16, 1982 4,318,125 March 2, 1982 4,319,079 March 9, 1982 4,319,079 March 9, 1982 4,322,961 April 6, 1982 4,323,921 April 6, 1982 4,329,684 May 11, 1982 4,329,684 May 11, 1982 4,330,794 May 18, 1982 4,330,990 June 1, 1982	4,247,106         January 27, 1981         Jeffers et al.           4,250,489         February 10, 1981         Dudash et al.           4,250,524         February 10, 1981         Wright           4,250,524         February 10, 1981         Tomizawa           4,251,691         February 10, 1981         Tomizawa           4,253,157         February 24, 1981         Tang et al.           4,253,157         February 24, 1981         Kirschner et al.           4,263,259         April 14, 1981         Bright et al.           4,264,925         April 28, 1981         Freeman et al.           4,266,243         May 5, 1981         Shutterly           4,275,411         June 23, 1981         Lippel           4,283,602         August 11, 1981         Adams et al.           4,284,976         August 18, 1981         Gable et al.           4,287,592         September 1, 1981         Paulish et al.           4,287,592         September 18, 1981         Yabe           4,295,223         October 13, 1981         Anderson et al.           4,295,223         October 13, 1981         Anterty           4,304,990         December 8, 1981         Atalla           4,305,131         December 8, 1981         Atalla	4,247,106         January 27, 1981         Jeffers et al.         463/29           4,250,489         February 10, 1981         Dudash et al.         340/825.02           4,250,524         February 10, 1981         Wright         348/616           4,250,524         February 10, 1981         Tomizawa         380/232           4,251,691         February 17, 1981         Kakihara et al.         348/14.01           4,253,114         February 24, 1981         Tang et al.         300/212           4,253,157         February 24, 1981         Kirschner et al.         707/104           4,262,329         April 14, 1981         Bright et al.         713/164           4,264,925         April 28, 1981         Freeman et al.         725/188           4,266,243         May 5, 1981         Shutterly         380/236           4,275,411         June 23, 1981         Lippel         348/472           4,283,602         August 18, 1981         Gable et al.         380/81           4,284,976         August 18, 1981         Gable et al.         340/825,43           4,287,592         September 1, 1981         Paulish et al.         370/403           4,288,693         September 15, 1981         Paulish et al.         370/403

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		PATENTE MAY 1	2007 u	Gro	up 2600
EXAMINER INITIAL	PATENT NUMBER	DATE ON		CLASS/ SUBCLASS	FILING DATE*
	4,336,553	June 22, 1982 June 22, 1982	de Toonder et al.	380/206	May 14, 1980
	4,336,559	June 22, 1982	Koyama et al.	260/73.05	November 9, 1978
	4,337,480	June 29, 1982	Bourassin et al.	348/552	February 8, 1980
	4,338,628	July 6, 1982	Payne et al.	380/213	December 19, 1979
	4,339,798	July 13, 1982	Hedges et al.	463/26	December 17, 1979
	4,340,903	July 20, 1982	Tamura	348/187	August 6, 1980
	4,343,042	August 3, 1982	Schrock et al.	725/116	June 9, 1979
	4,347,498	August 31, 1982	Lee et al.	340/825.02	November 21, 1979
	4,347,532	August 31, 1982	Korver	348/565	October 14, 1980
	4,353,088	October 5, 1982	den Toonder et al.	380/206	May 14, 1980
	4,354,201	October 12, 1982	Sechet et al.	380/228	June 11, 1980
	4,360,828	November 23, 1982	Briggs, Jr. et al	725/114	August 7, 1978
	4,361,851	November 30, 1982	Asip et al.	725/14	January 4, 1980
	4,361,877	November 30, 1982	Dyer et al.	702/176	February 5, 1980
	4,364,081	December 14, 1982	Hashimoto et al.	348/617	April 16, 1981
	4,365,110	December 21, 1982	Lee et al.	380/28	June 5, 1979
	4,367,548	January 4, 1983	Cotten, Jr. et al.	359/125	April 10, 1980
	4,367,557	January 4, 1983	Stern et al.	725/149	May 25, 1979
	4,368,483	January 11, 1983	Liu	348/617	June 22, 1981
	4,368,486	January 11, 1983	Degoulet et al.	348/598	February 25, 1981
	4,374,437	February 15, 1983	Citta et al.	455/164.2	December 29, 1980
	4,375,579	March 1, 1983	Davida et al.	380/28	January 30, 1980
	4,375,651	March 1, 1983	Templin et al.	348/731	July 27, 1981
	4,378,470	March 29, 1983	Murto, el al.	379/93.05	March 25, 1981
	4,379,205	April 5, 1983	Wyner	380/28	June 22, 1979
	4,385,324	May 24, 1983	Shioda et al.	348/781	November 16, 1981
	4,388,643	June 14, 1983	Aminetzah	380/239	April 6, 1981
	4,388,645	June 14, 1983	Cox et al.	348/468	April 13, 1981
	4,388,664	June 14, 1983	Ishman et al.	361/93.6	August 3, 1981
	4,389,671	June 21, 1983	Posner et al.	380/235	September 29, 1980
	4,390,898	June 28, 1983	Bond et al.	380/241	March 23, 1981
	4,394,691	July 19, 1983	Amano et al.	348/734	July 30, 1981
	4,394,762	July 19, 1981	Nabeshima	714/758	January 6, 1981
	4,395,757	July 26, 1983	Bienvenu et al.	709/104	April 14, 1981
	4,396,915	August 2, 1983	Farnsworth et al.	340/870.03	March 31, 1980
	4,396,946	August 2, 1983	Bond	380/226	March 23, 1981
	4,396,947	August 2, 1983	Cheung	380/222	March 26, 1980
	4,398,216	August 9, 1983	Field et al.	380/238	September 19, 1980
	4,400,587	August 23, 1983	Taylor et al.	379/113	August 25, 1981
	4,405,942	September 20, 1983	Block et al.	380/214	March 3, 1982
	4,410,917	October 18, 1983	Newdoll et al.	360/15	September 14, 1981
	4,413,339	November 1, 1983	Riggle et al.	714/765	July 24, 1981
	4,415,771	November 15, 1983	Martinez	379/43	April 3, 1981
	4,422,093	December 20, 1983	Pargee, Jr.	725/115	January 27, 1983
	4,424,532	January 3, 1984	den Toonder et al.	380/226	May 9, 1983

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EXAMINER	PATENT		NAME	CLASS/ SUBCLASS	FILING DATE*
INITIAL	NUMBER	LOGI L	Schweppe et al.	348/510	April 17, 1981
	4,425,581	January 10, 1984	Best	713/190	September 10, 1981
	4,433,207	February 24 74084 MAR	Levine et al.	380/260	June 29, 1981
	4,434,323	February 28, 1984	Kleykamp et al.	380/209	July 13, 1981
	4,434,436	February 28, 1984	Suzuki et al.	711/164	March 31, 1981
	4,434,464	February 28, 1984	Furukawa et al.	725/25	September 26, 1980
	4,439,784	March 23, 1984		711/164	May 26, 1981
	4,446,519	May 1, 1984	Thomas	455/9	May 2, 1980
	4,449,246	May 15, 1984	Seiler et al.	725/92	October 13, 1981.
	4,455,570	June 19, 1984	Saeki, et al.	714/798	January 19, 1982
	4,461,002	July 17, 1984	Nanko	348/510	July 6, 1981
	4,464,679	August 7, 1984	Wargo	713/181	March 12, 1981
	4,467,139	August 21, 1984	Mollier	348/385.1	September 24, 1981
	4,467,356	August 21, 1984	McCoy	705/55	October 5, 1981
	4,471,163	September 11, 1984	Donald et al.	380/30	October 13, 1981
	4,471,164	September 11, 1984	Henry		March 28, 1983
	4,472,801	September 18, 1984	Huang	370/411 340/825.27	July 22, 1983
	4,473,824	September 25, 1984	Claytor		April 2, 1981
	4,475,123	October 2, 1984	Dumbauld et al.	380/211	April 29, 1981
	4,484,218	November 20, 1984	Boland et al.	725/131	April 1, 1981
	4,486,853	December 4, 1984	Parsons	345/418	
	4,492,820	January 8, 1985	Kennard et al.	379/46	October 24, 1980
	4,500,987	February 19, 1985	Hasegawa	370/462	November 23, 1982
	4,506,387	March 19, 1985	Walter	359/118	May 25, 1983
	4,513,174	April 23, 1985	Herman	711/214	March 19, 1981
	4,518,989	May 21, 1985	Yabiki et al.	725/92	September 30, 1982
	4,528,588	July 9, 1985	Lofberg	340/5.1	May 18, 1982
	4,528,589	July 9, 1985	Block et al.	380/241	February 1, 1984
	4,538,176	August 27, 1985	Nakajima et al.	725/119	November 26, 1979
	4,567,359	January 28, 1986	Lockwood	235/381	May 24, 1984
	4,580,134	April 1, 1986	Campbell et al.	345/152	November 16, 1982
	4,593,353	June 3, 1986	Pickholtz	705/55	October 26, 1981
	4,598,288	July 1, 1986	Yarbrough et al.	340/5.74	December 20, 1983
	4,599,644	July 8, 1986	Fischer	725/21	October 25, 1984
	4,611,227	September 9, 1986	Brockhurst et al.	348/468	November 22, 1982
	4,614,971	September 30, 1986	Maney et al.	348/466	January 5, 1983
	4,631,585	December 23, 1986	Wine	348/510	May 7, 1984
	4,636,851	January 13, 1987	Drury et al.	380/215	December 12, 1983
	4,647,974	March 3, 1987	Butler et al.	358/185	April 12, 1985
	4,677,552	June 30, 1987	Sibley, Jr.	705/37	October 5, 1984
	4,677,685	June 30, 1987	Kurisu	725/151	July 16, 1985
	4,680,797	July 14, 1986	Benke et al.	704/211	June 26, 1984
	4,682,292	July 21, 1987	Bue et al.	701/35	July 23, 1984
	4,688,105	August 18, 1987	Bloch et al.	386/38	May 10, 1985
	4,689,661	August 25, 1987	Barbieri et al.	375/240.01	June 22, 1981
	4,669,601	November 10, 1987	Murray	348/481	May 30, 1985

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EXAMINER	PATENT	PATENS MAY 1 1		D €6MBS/	FILING
INITIAL	NUMBER	DATE	NAME	SUBCLASS	DATE*
114111111111111111111111111111111111111	4,706,282	November 10, 1987	Knowd	713/168	December 23, 1985
	4.742,516	May 3, 1988 RADE	Yamaguchi	370/312	January 10, 1986
	4,742,543	May 3, 1988	Fredericksen	380/237	July 10, 1986
	4,744,080	May 10, 1988	Brennand et al.	380/212	February 27, 1986
	4,748,619	May 31, 1988	Vigarie et al.	370/349	February 20, 1987
	4,772,887	September 20, 1988	Dunkerton	340/825.48	August 5, 1983
	4,774,583	September 27, 1988	Kellar et al.	348/585	February 6, 1985
	4,782,387	November 1, 1988	Sabri et al.	375/240.21	December 9, 1986
	4,809,267	February 28, 1989	Higuchi et al.	370/460	June 29, 1987
	4.814.756	March 21, 1989	Chauvel	345/565	January 28, 1987
	4,831,526	May 16, 1989	Luchs et al.	705/4	April 22, 1986
	4,835,777	May 30, 1989	DeLuca, et al.	714/822	January 7, 1987
	4,908,713	March 13, 1990	Levine	386/83	June 29, 1988
	4,942,616	July 7, 1990	Linstroth et al.	704/275	September 9, 1985
	4.963,994	October 16, 1990	Levine	386/83	February 23, 1990
	RE 31,182	March 15, 1983	Crager et al.	178/3	October 11, 1979
- 0	RE 31,735	November 13, 1984	Davidson	380/235	July 26, 1982
	RE 32,326	January 6, 1987	Nagel et al.	348/463	May 19, 1983

\* If Pertinent

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EXAMINER	DOCUMENT	PUBLICATION	8	CLASS/	TRANSI	
INITIAL	NUMBER	DATE	COUNTRY	SUBCLASS	YES	NO
Harris	1,556,366		UK			
	2,853,764		DE			
	2,904,981		Germany			
	3,143,627		Germany			
	60-146587		JP			
	AU 74,619		AU			
	DE 2,904,891		DE			
	DE 2338380		DE			
	DE 2918846		DE			l
	DE 3,143,627		DE			<u>L</u>
	DT 2,550,624 A1		Germany			
	DT 255,024		DT			
	EP 187,417	16-Jul-86	EP			
	EP 55674		EP			
	FR 79-03351	Feb-79	FR			
	GB 1,370,535		GB			
	GB 1,515,309	21-Jun-78	GB			<u> </u>
	GB 1554411		GB			
	GB 2,016,874	Feb-79	GB			
	GB 2,140,963		GB			
	GB 2034995		GB			

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-	EXAMINER	DOCUMENT	PUBLICATION PIA	H W H GI	<del>pup </del> <u> </u>	TRANSLATION	
	INITIAL	NUMBER	DATE 🙎	COUNTRY	SUBCLASS	YES NO	
		GB 959,274	- Ex	<b>198</b>			
		JA 0053984	Jinno	COUNTRY			
		JP 53-11515		JP			
		JP 53-121420		JP			
		JP 55-028691		JP			
		JP 55-500886		JP			
		JP 56-51161		JP			
		JP 57-199377		JP			
		JP 59-154886		JP			
		JP 59-50134		JP			
		JP 60-149281		JP			
		JP 61-20441		JP			
		JP 61-267474		JP			
		DI 204 F2F	Eab 70	Di			

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WIPO

Examiner Initial	Date, Author, Title, Pertinent Pages, Etc.					
	9/76	Gaines, B.R. and Sams, J.,	"Minicomputers in Security Dealing," Computer, September, 1976, pp. 6-15.			
	4/79	Kazama et al.,	"Automatic storage and retreival of video taped programs", 4/79			
4750	3/80		Transcript of Viewdata '80, first world conference on viewdata, videotex, and teletext, 26-28 March 1980, London.			
		Benson, K. B. et al.	"CBS New York Video Tape Facilities"			
-	1960	Brown et al.	Project SCORE," pp. 624-630, 1960.			
		Burkhardt et al.	"Digitial Television Transmisson With 34 Mbit/s"			
	1959	Byloff	"Automatic Control of Video Tape Equipment at NBC, Burbank," by the National Broadcasting Company, Inc. In 1959.			
		Charles Gerrish	"QUBE"- INTERACTIVE VIDEO ON THE MOVE"			
	1/76	Crowther, et al. G.O.	"TELETEXT RECEIVER LSI DATA ACQUISITION AND CONTROL," 1/13/76, pp 911-915			
		Davidoff, Frank	"The All-Digital Television Studio," SMPTE Journal, vol. 89, No 6.			
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